

**COPY OF ALL CLAIMS**

1. (currently amended) An apparatus for transporting a polymer dispersion, ~~polymer dispersions, said apparatus being capable of being driven by a drive and comprising an impeller~~ impellers (28), said impellers being surrounded by a housing (30), or protruding freely into the polymer dispersion a medium, said impeller having a shaft hub (1) and a number of individual curved vanes (2) being mounted in the region of the hub (1), wherein a number of individual curved vanes (2) are freely mounted on the shaft hub (1) of an impeller (28), to create so that pumping spaces (5, 25) on the front side (7) and rear side (8) of the curved vanes (2) of the impeller (28), wherein the pumping spaces are so formed as to move the polymer dispersion through the pumping spaces with a uniform flow ~~are flowed through uniformly, and wherein the apparatus may be driven by a drive.~~
2. (currently amended) The apparatus for transporting as claimed in claim 1, wherein the angle (23) of entry into the pumping spaces lies between 30° and 120°.
3. (currently amended) The apparatus for transporting as claimed in claim 2, wherein the angle (23) of entry into the pumping spaces is 90°.
4. (original) The apparatus for transporting as claimed in claim 1, wherein the entire impeller (28) is provided with a conductive PFA coating.
5. (previously presented) The apparatus for transporting as claimed in claim 1, wherein the curved vanes (2) bounding the pumping spaces (5, 25) have the same path

- of curvature on the front side (7) and rear side (8).
6. (previously presented) The apparatus for transporting as claimed in claim 5, wherein the curved vanes (2) have the same radius of curvature (9, 21) on the front side (7) and rear side (8).
7. (previously presented) The apparatus for transporting as claimed in claim 1, wherein the center line (11) of the curved vanes (2) on the impeller (28) describe a segment of a circle between the enveloping curve (6) and the center of the hub (1).
8. (previously presented) The apparatus for transporting as claimed in claim 1, wherein the edges of the curved vanes (2) of the impeller (28) are of a rounded form.
9. (original) The apparatus for transporting as claimed in claim 1, wherein the ratio of the vane width (4) to the vane thickness (3) is  $>1$ .
10. (previously presented) The apparatus for transporting as claimed in claim 1, wherein the enveloping curve (6) of the impeller (28) is surrounded by a spiral housing (30).
11. (currently amended) An impeller for transporting a polymer dispersion, ~~polymer dispersions, said impeller being driven by a drive and~~ comprising a shaft hub (1) and a number of vanes (2) being mounted in the region of the hub (1), wherein a number of individual curved vanes (2) are freely mounted on the shaft hub (1) of the impeller (28), so that to create pumping spaces (5, 25) on the front side (7) and rear side (8) of the curved vanes (2) of the impeller (28), wherein the

pumping spaces are so formed as to move the polymer dispersion through with a uniform flow ~~are flowed through uniformly, and wherein the impeller is driven by a drive.~~

12. (currently amended) An impeller for transporting a medium ~~media, comprising a shaft hub (1) and said impeller being capable of being driven by a drive and a number of vanes (2), being mounted in the region of the hub (1), said impeller being surrounded by a housing or protruding freely into the medium, wherein a number of individual curved vanes (2) are freely mounted on the shaft hub (1) of the impeller (28), so that to create pumping spaces (5, 25) on the front side (7) and rear side (8) of the curved vanes (2) of the impeller (28), wherein the pumping spaces are so formed as to move the polymer dispersion through with a uniform flow ~~are flowed through uniformly, and wherein the impeller is driven by a drive, and may be surrounded by a housing or may protrude into the medium.~~~~

13. (canceled)